

Leading the Launch



IDAHO NATIONAL ENGINEERING AND ENVIRONMENTAL LABORATORY

*Delivering a payload of
responsive technologies*



Technology Deployment



HOME OF SCIENCE AND ENGINEERING SOLUTIONS



Polyethylene Macroencapsulation

Problem

INEEL's Waste Generator Services group needed to identify a way to dispose of excess lead that had been used as radiation shielding.

Baseline Technology

No on-site disposal of radioactive contaminated lead.

Innovative Technology

Polyethylene Macroencapsulation is an EPA-approved treatment process that covers lead shapes with a durable and impervious barrier.

Comparison

This DOE-developed mixed-waste treatment process was transferred to the private sector allowing INEEL to procure services for off-site disposal of excess lead.

Benefits

This process enables the INEEL to protect the environment through partnering with Envirocare Utah, Inc.

